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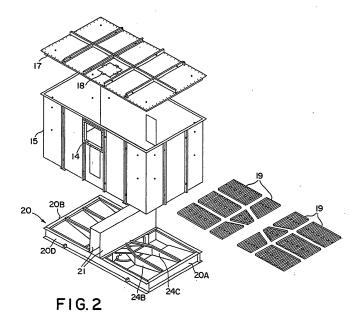
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(54) Switching valve seal

(57) Switching valve utilizing a rotatable seal suitable for use in a regenerative thermal oxidizer (10), and oxidizer (10) including the switching valve (20). The valve (20) of the present invention exhibits excellent sealing characteristics and minimizes wear. The valve (20) has a seal plate (100) that defines two chambers, each chamber being a flow port (25) that leads to one of two regen-

erative beds of the oxidizer (10). The valve (20) also includes a switching flow distributor (50) that provides alternate channelling of the inlet or outlet process gas to each half of the seal plate. The valve operates between two modes: a stationary mode and a valve movement mode. In the stationary mode, a tight gas seal is used to minimize or prevent process gas leakage. The gas seal also seals during valve movement.





EUROPEAN SEARCH REPORT

Application Number EP 06 07 7006

	DOCUMENTS CONSID	ERED TO BE RE	LEVANT		
Category	Citation of document with in of relevant pass			Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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					TECHNICAL FIELDS SEARCHED (IPC) F23G F27D F23L
	The present search report has	been drawn up for all cla	aims		
	Place of search		tion of the search		Examiner
	The Hague	9 June		Dei	s, Stefano
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot unent of the same category inological background -written disclosure rmediate document	T E her D L	theory or principle unc earlier patent docume after the filing date document cited in the document cited for oth	lerlying the in ent, but publis application eer reasons	vention hed on, or

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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